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## Patent Abstracts of Japan

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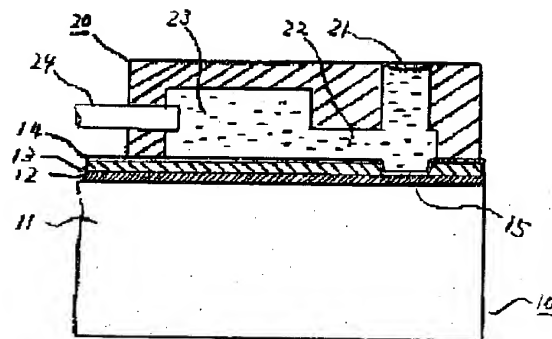
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APPLICANT : HITACHI KOKI CO LTD;

INVENTOR : MACHIDA OSAMU;

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TITLE : MANUFACTURE OF HEATING  
RESISTOR FOR INK JET AND INK JET  
PRINTER



ABSTRACT : PURPOSE: To provide a manufacturing method for obtaining a heating resistor for ink jet, which is superior in electrocorrosion resistance and corrosion resistance to a conventional heating resistor for ink jet, of an ink jet recording device, which makes ink droplets discharge utilizing the heat energy of the heating resistor.

CONSTITUTION: A Cr-Si-SiO alloy thin film resistor 12 and a Ta thin film conductor 13 are formed on an insulating substrate 11 and a part, which corresponds to a heating resistor, on the conductor 13 is etched and is thermally oxidized until all of a Ta thin film of the heating resistor part turns Ta<sub>2</sub>O<sub>5</sub> layer 14.

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